



Product type designation   BG09     Contact characteristics   Nr.   3     Rated insulation voltage Ui IEC/EN   V   690     Rated impulse withstand voltage Uimp   KV   6     Operational frequency   min   Hz   25     max   HZ   400     IEC Conventional free air thermal current Ith   A   20     Operational current le   AC-1 (≤40°C)   A   20     Operational current le   AC-1 (≤40°C)   A   20     AC-1 (≤55°C)   A   18   AC-1 (≤55°C)   A   18     AC-3 (≤440V ≤55°C)   A   9   AC-3 (≤440V ≤55°C)   A   9     AC-4 (400V)   A   4   4   4   4   4   4     Rated operational power AC-3 (T≤55°C)   230V   KW   2.2   400V   KW   4     415V   KW   4.3   440V   KW   4.5   500V   KW   5				
Contact characteristicsNumber of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpKV6Operational frequencyminHz25maxHZ40012IEC Conventional free air thermal current IthA20Operational current leAC-1 (s40°C)A20AC-1 (s55°C)A1515AC-3 (s440V s55°C)A9AC-4 (400V)ARated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.15500VkW4.15Acta (s440V s55°C)230VkW4.15500VkWRated operational power AC-3 (T≤55°C)230VkW4.15500VkW4.15Eact operational power AC-1 (T≤40°C)230VkW8400VkW4.15Eact operational power AC-1 (T≤40°C)230VkW8400VkW14500VkW16690VkW2.2IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA1248VA1475VA9110VA8220VA1548VA1475VA9110VA8220VA1648VA1648VA1648VA1648VA1075VA10	Product designation			Power contactor
Contact characteristicsNumber of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpKV6Operational frequencyminHz25maxHZ4004IEC Conventional free air thermal current IthA20Operational current leAC-1 (≤40°C)A20AC-1 (≤55°C)A15AC-1 (≤70°C)A15AC-1 (≤40°C)A9AC-4 (400V)A4Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.415VKW4.3440VkW4.5550VkW4.5Store kW5500VkW4.5550VkW4.5Eter doperational power AC-1 (T≤40°C)230VkW8400VkW14Store kW5500VkW16690VkW2.2IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA1248VA1075VA110VA3220VA1548VA1475VA9110VA8220VA1648VA1648VA1075VA1075VA10	Product type designation			BG09
Number of polesNr.3Rated insulation voltage Ui IEC/ENV690Rated insulation voltage UimpkV6Operational frequencyminHz25maxHz400420IEC Conventional free air thermal current IthA20Operational current IeAC-1 (\$40°C)A20AC-1 (\$55°C)A18AC-1 (\$55°C)A18AC-3 (\$4400V)A44Rated operational power AC-3 (T≤55°C)230VKW2.2400VKW4.3440VKW4.3440VKW4.3440VKW4.3440VKW4.3440VKW4.5500VKW5690VKW5Rated operational power AC-1 (T≤40°C)230VKW8400VKW16690VKW16690VKW16690VkW161EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA1248WA1075VA91EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA1548WA1075VA9110VA8220VA-12C max current le in DC1 with L/R ≤ 1ms with 3 poles in series≤24VA1648WA1648VA1648WA1648VA16<	Contact characteristics			
Rated insulation voltage Ui IEC/EN   V   690     Rated impulse withstand voltage Uimp   kV   6     Operational frequency   min   Hz   25     max   Hz   400   15     IEC Conventional free air thermal current Ith   A   20     Operational current le   AC-1 (s40°C)   A   15     AC-1 (s55°C)   A   15   AC-1 (s55°C)   A   9     AC-1 (s00°C)   A   15   AC-1 (s00°C)   A   400     Rated operational power AC-3 (T≤55°C)   230V   kW   4   440V   KW   4.5     S00V   kW   4   45V   KW   4.5   500V   KW   5     Rated operational power AC-1 (T≤40°C)   230V   kW   8   400V   KW   14     500V   kW   16   690V   KW   14     500V   kW   16   690V   KW   14     500V   kW   16   10   75V   A   110			Nr.	3
Rated impulse withstand voltage UimpkV6Operational frequencyminHz25maxHz400IEC Conventional free air thermal current lthA20Operational current leAC-1 (\$40°C)A20AC-1 (\$570°C)A18AC-1 (\$70°C)A15AC-3 (\$4400 \\$55°C)A9AC-4 (400V)A4Rated operational power AC-3 (T≤55°C)230VkW2.2400VkW4.3415VkWV4.3440VkW4.5500VkW5Rated operational power AC-1 (T≤40°C)230VkW230VkW14500V <td< td=""><td></td><td></td><td></td><td></td></td<>				
Operational frequency min Hz 25   max Hz 400   IEC Conventional free air thermal current lth A 20   Operational current le AC-1 (\$40°C) A 20   AC-1 (\$55°C) A 18 AC-1 (\$55°C) A 9   AC-3 (\$440V \$55°C) A 9 AC-4 (400V) A 4   Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4   A15V kW 4.5 500V kW 4.5 500V kW 4.5   Source 500V kW 4.5 500V kW 14 50V kW 14 100 75V A 4 110V A 3 220V A - 110 75V A 14 100 75V A 14 100 75V A 14 100 75V A 14				
$\begin{array}{cccc} \min & \operatorname{Hz} & 25 \\ \max & \operatorname{Hz} & 400 \\ \operatorname{Hz} & 400 \\ \operatorname{Portational current le} & & & & & & & & & & & & & & & & & & &$				•
max   Hz   400     IEC Conventional free air thermal current lth   A   20     Operational current le   AC-1 (s40°C)   A   20     AC-1 (s55°C)   A   18   AC-1 (s55°C)   A   18     AC-1 (s40v°C)   A   15   AC-1 (s40v×55°C)   A   9     AC-3 (s40v×55°C)   A   9   AC-4 (400V)   A   4     Rated operational power AC-3 (T≤55°C)   230V   KW   2.2   400V   KW   4.3     Ad40V   KW   4.3   440V   KW   4.5   500V   KW   5     B00V   KW   5   690V   KW   5   690V   KW   16     690V   KW   16   690V   KW   16   690V   KW   16     690V   KW   16   690V   KW   16   690V   KW   10     TS   X48V   A   10   75V   A   4   10V   3   220V		min	Ц-7	25
IEC Conventional free air thermal current lth A 20 Operational current le $AC-1 (\pm 40^{\circ}C) A 20$ $AC-1 (\pm 55^{\circ}C) A 18$ $AC-1 (\pm 570^{\circ}C) A 15$ $AC-3 (\pm 4400 \pm 55^{\circ}C) A 9$ AC-4 (400V) A 4 Rated operational power AC-3 (T≤55°C) 230V kW 2.2 400V kW 4.3 440V kW 4.5 500V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 5 Rated operational power AC-1 (T≤40°C) 230V kW 8 400V kW 14 500V kW 16 690V kW 22 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V A 12$ 48V A 10 75V A 4 110V A 3 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V A 15$ 48V A 114 75V A 9 110V A 8 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V A 15$ 48V A 14 75V A 9 110V A 8 220V A -				
Operational current le AC-1 (s40°C) A 20   AC-1 (s55°C) A 18   AC-1 (s70°C) A 15   AC-3 (s4400v s55°C) A 9   AC-4 (400V) A 4   Rated operational power AC-3 (T≤55°C) 230V KW 2.2   400V kW 4.3   440V KW 4.3   440V KW 4.5   500V kW 5   690V kW 5   690V kW 14   500V kW 14   500V kW 14   500V kW 14   690V kW 12   1EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12   48V A 10 75V A 110V A 3   220V A 15 48V A 14 75V A 110V A 3 220V A 15 48V A 14 75V A 9 110V	IFC Conventional free air thermal ourrent Ith	IIIdX		
$ \begin{array}{ccccc} & AC-1 (≤40^{\circ}C) & A & 20 \\ AC-1 (≤40^{\circ}C) & A & 18 \\ AC-1 (≤70^{\circ}C) & A & 15 \\ AC-3 (≤440V ≤55^{\circ}C) & A & 9 \\ AC-4 (400V) & A & 4 \\ \end{array} \\ \begin{tabular}{lllllllllllllllllllllllllllllllllll$			A	20
$ \begin{array}{cccc} AC-1 (\leq 55^{\circ}C) & A & 18 \\ AC-1 (\leq 70^{\circ}C) & A & 15 \\ AC-3 (\leq 400 \lor 55^{\circ}C) & A & 9 \\ AC-4 (400 \lor & A & 4 \\ \end{array} \\ \hline Rated operational power AC-3 (T \leq 55^{\circ}C) & & & & & & & & & & & & & & & & & & &$	Operational current le			
AC-1 (≤70°C) A 15   AC-3 (≤440V ≤55°C) A 9   AC-4 (400V) A 4   Rated operational power AC-3 (T≤55°C) 230V kW 2.2   400V kW 4.3   4415V kW 4.3   4415V kW 4.3   440V kW 4.5   500V kW 5   Rated operational power AC-1 (T≤40°C) 230V kW 8   400V kW 8 400V kW 14   500V kW 8 400V kW 8   440V kW 8 400V kW 8   400V kW 8 400V kW 14   500V kW 14 500V kW 12   IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series 524V A 12   48V A 14 75V A 9   110V A 8 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series				
AC-3 (s440V ≤55°C) A 9   AC-4 (400V) A 4   Rated operational power AC-3 (T≤55°C) 230V kW 2.2   400V kW 4   415V kW 4.3   440V kW 4.5   500V kW 5   Rated operational power AC-1 (T≤40°C) 230V kW 8   400V kW 14 500V kW 16   690V kW 16 690V kW 22   IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12   48V A 10 75V A 4   110V A 3 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15   48V A 14 75V A 9   110V A 8 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 15   48V A 16 48V				
AC-4 (400V) A 4   Rated operational power AC-3 (T≤55°C) 230V kW 2.2   400V kW 4   415V kW 4.3   440V kW 4.5   500V kW 5   690V kW 5   Rated operational power AC-1 (T≤40°C) 230V kW 8   400V kW 14 500V kW 14   500V kW 16 690V kW 22   IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12   48V A 10 75V A 4   110V A 3 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15   48V A 14 75V A 9   110V A 8 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 16   48V A 16 48V A </td <td></td> <td></td> <td></td> <td></td>				
Rated operational power AC-3 (T≤55°C) 230V kW 2.2   400V kW 4   415V kW 4.3   440V kW 4.5   500V kW 5   Rated operational power AC-1 (T≤40°C) 230V kW 8   400V kW 14 5   500V kW 22 16   1EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 12   48V A 10 75V A 4   110V A 3 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 15   48V A 14 75V A 9   110V A 8 220V A -   1				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		AC-4 (400V)	A	4
$ \begin{array}{cccc} 400 & k & 4 & \\ 415 & k & 4.3 & \\ 440 & k & 4.5 & \\ 500 & k & 5 & \\ 690 & k & 5 & \\ 690 & k & 5 & \\ 690 & k & 5 & \\ 400 & k & 14 & \\ 500 & k & 14 & \\ 500 & k & 14 & \\ 500 & k & 12 & \\ 690 & k & 22 & \\ \end{array} $ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $ \begin{array}{c} \leq 24V & A & 12 & \\ 48V & A & 10 & \\ 75V & A & 4 & \\ 110V & A & 3 & \\ 220V & A & - & \\ \end{array} $ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $ \begin{array}{c} \leq 24V & A & 12 & \\ 48V & A & 10 & \\ 75V & A & 4 & \\ 110V & A & 3 & \\ 220V & A & - & \\ \end{array} $ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $ \begin{array}{c} \leq 24V & A & 15 & \\ 48V & A & 14 & \\ 75V & A & 9 & \\ 110V & A & 8 & \\ 220V & A & - & \\ \end{array} $	Rated operational power AC-3 (T≤55°C)			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccc} 440 \lor & k \cr & 4.5 \\ 500 \lor & k \cr & 5 \\ 690 \lor & k \cr & 5 \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$				4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			kW	
690V kW 5   Rated operational power AC-1 (T≤40°C) 230V kW 8   400V kW 14   500V kW 16   690V kW 22   IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A 12   48V A 10 75V A 4   110V A 3 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A 15   48V A 14 75V A 9   1IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A 15   48V A 14 75V A 9   110V A 8 220V A -   IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A 16   48V A 16 75V A 16   75V A 16 75V A 10		440V	kW	4.5
Rated operational power AC-1 (T≤40°C)230VkW8400VkW14500VkW16690VkW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1675VA1648VA1675VA10		500V	kW	5
$\begin{array}{c} 230 \lor k \And 8 \\ 400 \lor k \And 14 \\ 500 \lor k \And 22 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $\begin{array}{c} \leq 24 \lor A & 12 \\ 48 \lor A & 10 \\ 75 \lor A & 4 \\ 110 \lor A & 3 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 15 \\ 48 \lor A & 10 \\ 75 \lor A & 4 \\ 110 \lor A & 3 \\ 220 \lor A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{c} \leq 24 \lor A & 15 \\ 48 \lor A & 14 \\ 75 \lor A & 9 \\ 110 \lor A & 8 \\ 220 \lor A & - \end{array}$		690V	kW	5
$ \begin{array}{c c c c c c c } & 400 & kW & 14 \\ & 500 & kW & 22 \\ \hline \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 1 poles in series $ \begin{array}{c c c c c c } & \leq 24V & A & 12 \\ & 48V & A & 10 \\ & 75V & A & 4 \\ & 110V & A & 3 \\ & 220V & A & - \\ \hline \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $ \begin{array}{c c c } & \leq 24V & A & 15 \\ & 48V & A & 10 \\ & 75V & A & 4 \\ & 110V & A & 3 \\ & 220V & A & - \\ \hline \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $ \begin{array}{c c c } & \leq 24V & A & 15 \\ & 48V & A & 14 \\ & 75V & A & 9 \\ & 110V & A & 8 \\ & 220V & A & - \\ \hline \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $ \begin{array}{c c c } & \leq 24V & A & 16 \\ & 48V & A & 16 \\ & 48V & A & 16 \\ & 75V & A & 10 \\ \hline \end{array}$	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		230V	kW	8
690VkW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1675VA10		400V	kW	14
690VkW22IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A1248VA1075VA4110VA3220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A15110VA8220VA-IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A1648VA1675VA10		500V	kW	16
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
$ \begin{array}{cccc} 48V & A & 10 \\ 75V & A & 4 \\ 110V & A & 3 \\ 220V & A & - \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$	·	≤24V	А	12
$\begin{array}{cccc} 75 & A & 4 \\ 110 & A & 3 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series $\begin{array}{cccc} \leq 24 & A & 15 \\ 48 & A & 15 \\ 48 & A & 14 \\ 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$220V$ A-IEC max current le in DC1 with L/R < 1ms with 2 poles in series				
IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series $\leq 24V$ A1548VA1475VA9110VA8220VA-IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq 24V$ A1648VA1648VA1675VA10				
$ \begin{array}{cccc} \leq 24 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 15 \\ 48 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 14 \\ 75 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 9 \\ 110 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} & 8 \\ 220 \ensuremath{\mathbb{V}} & \ensuremath{\mathbb{A}} $	IEC max current le in DC1 with L/R < 1ms with 2 poles in series	2201		
$ \begin{array}{cccc} 48 & & A & & 14 \\ 75 & & A & 9 \\ 110 & & A & 8 \\ 220 & & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \leq 24 & A & 16 \\ 48 & & A & 16 \\ 75 & & A & 10 \end{array} $		<21\/	٨	15
$\begin{array}{cccc} 75 & A & 9 \\ 110 & A & 8 \\ 220 & A & - \end{array}$ IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\begin{array}{cccc} \leq 24 V & A & 16 \\ 48 V & A & 16 \\ 75 V & A & 10 \end{array}$				
$ \begin{array}{c cccc} 110 V & A & 8 \\ 220 V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 3 poles in series} \\ & \le 24 V & A & 16 \\ & 48 V & A & 16 \\ & 75 V & A & 10 \end{array} $				
$220V$ A-IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq$ 24VA16 $48V$ A16 $75V$ A10				
IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series $\leq 24V$ A 16 48V A 16 75V A 10				
≤24V A 16 48V A 16 75V A 10	IEC may aurrent to in DC1 with 1/D < 1ma with 2 malas in a miss	2200	А	_
48V A 16 75V A 10	The max current is in DCT with $L/R \ge 100$ with 3 poiss in series	-0.0.1	۸	4.0
75V A 10				
110V A 10				
		110V	A	10



	220V	А	2
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	7
	48V	А	6
	75V	А	2
	110V	А	1
	220V	A	-
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	А	8
	48V	Α	8
	75V	A	5
	110V	A	4
	220V	A	_
EC max current le in DC3-DC5 with $L/R \le 15$ ms with 3 poles in series		-	
	≤24V	A	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	Α	0,8
EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series	10 M /		4.0
	≤24V	A	10
	48V	A	10
	75V	A	6
	110V	A	5
	220V	<u>A</u>	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		A	96
Protection fuse		^	00
	gG (IEC)	A	20
	aM (IEC)	A	10
Making capacity (RMS value)		A	92
Breaking capacity at voltage	4.4017	•	70
	440V	A	72
	500V	A	72
	690V	A	72
Resistance per pole (average value)		mΩ	10
Power dissipation per pole (average value)	14	147	
	Ith	W	4
Tink to a to an a fan to an in ala	AC-3	W	0.81
Tightening torque for terminals	•	NJ	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin Ibin	9
	max	lbin	9
Tightening torque for coil terminal		<b>N</b> 1 -	0.0
	min	Nm	0.8
	max	Nm	1
	min	lbin	9



	eineulten eeu ek voor noetek le	max	lbin	9
Conductor section	simultaneously connectable		Nr.	2
	AWG/Kcmil			
		max		12
	Flexible w/o lug conductor section	Пах		12
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Power terminal prote	ction according to IEC/EN 60529			IP20 when properly wired
Mechanical features				property wired
Operating position				
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai
				35mm
Weight			g	220
Conductor section				
	AWG/kcmil conductor section			4.0
Auvilian, contact char	re storieties	max		12
Auxiliary contact char Thermal current Ith			А	10
IEC/EN 60947-5-1 de	esignation		Λ	A600 - Q600
Operating current AC				1000 0000
			•	
		230V	A	3
		230V 400V	A A	3 1.9
Operating current DC	12	400V	A	1.9
Operating current DC	:12	400V	A	1.9
		400V 500V	A A	1.9 1.4
		400V 500V	A A	1.9 1.4
		400V 500V 110V 24V 48V	A A A	1.9 1.4 2.9 2.9 1.4
		400V 500V 110V 24V 48V 60V	A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2
		400V 500V 110V 24V 48V 60V 110V	A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6
		400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55
Operating current DC		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operations Mechanical life		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life		400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1
Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	213	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A Cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000
Operating current DC Operations Mechanical life Electrical life Safety related data		400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000 500000
Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B <sup>2</sup>	213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	1.9 1.4 2.9 2.9 1.4 1.2 0.6 0.55 0.3 0.1 20000000 500000

11BG0910D024



MINICONTACTEUR, BG0910D, 3P+1NO, 9A AC3, 24VDC

DC rated control voltage	ge			V	24
DC operating voltage					
	pick-up			0/11-	75
			min	%Us %Us	75 115
	drop-out		max	%05	115
			min	%Us	10
			max	%Us	25
Average coil consump	otion ≤20°C				
			in-rush	W	3.2
			holding	W	3.2
Max cycles frequency				/I	0000
Mechanical operation				cycles/h	3600
Operating times Average time for Us c	ontrol				
Average time for 03 c	in AC				
		Closing NO			
		0 -	min	ms	12
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC	min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
		Closing NO			4.0
			min	ms	18 25
		Opening NO	max	ms	20
		opening No	min	ms	2
			max	ms	3
		Closing NC			
			min	ms	3
			max	ms	5
		Opening NC	* ·		11
			min	ms ms	11 17
UL technical data			max	1115	17
Full-load current (FLA)	) for three-phase A	AC motor			
····· (· -··,			at 480V	А	7.6
			at 600V	А	6.1
Yielded mechanical pe					
	for single-phase	e AC motor			
			110/120V	HP	0.5
	for three shares	AC motor	230V	HP	1.5
	for three-phase	AC MOTOR	200/2001/	ЦП	2
			200/208V	HP	2
			220/2201/	HP	3
			220/230V 460/480V	HP HP	3 5

11BG0910D024 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



**11BG0910D024** MINICONTACTEUR, BG0910D, 3P+1NO, 9A AC3, 24VDC

General USE					
Contactor			_		
0		AC current	Α	20	
Short-circuit protection fuse, 600V					
High fault			1. 4	400	
		Short circuit current	kA A	100 30	
		Fuse rating Fuse class	A	30 J	
Standard fault		1 436 61855		5	
Standard radit		Short circuit current	kA	5	
		Fuse rating	A	30	
		Fuse class		RK5	
Contact rating of auxiliary contacts according to	o UL				Q600
Ambient conditions					
Temperature					
Operating temperature	e				
		min	°C	-50	
		max	°C	+70	
Storage temperature					
		min	°C	-60	
		max	°C	+80	
Max altitude			m	3000	
Resistance & Protection				_	
Pollution degree				3	
Dimensions					
$\begin{array}{c} 4.4 \\ (0.17") \\ (0.17") \\ (0.17") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (0.33") \\ (1.37") \\ (0.38") \\ (1.37") \\ (1.37") \\ (0.38") \\ (0.38") \\ (0.$			58 (2.28 <sup>1)</sup> 50	57 _24") 	-7.6
$A1 \qquad I \qquad I2 \qquad I3 \\ A1 \qquad J \qquad $	13   - \   14				

## Certifications and compliance Compliance

T1

CSA C22.2 n° 60947-1

**T**3

T2



	CSA C22.2 n° 60947-4-1
	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
	cULus
	EAC
ETIM classification	

**ETIM 8.0** 

EC000066 -Power contactor, AC switching